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TABLE 3,5 Aquifer and Well Characteristics in Connecticut

Well characteristics
Aquifer name and description
Depth (ft)
Common May range exceed
Yieid (gal/mm)
Common May range exceed
Remarks

Stratified-drift aquifers: Sand and 50-100 150 50 - 500
2,000
gravel, commonly with interbedded layers or lenses of silt and clay. Generally u neon fined.

Sedimentary-aquifer system: Sand- 100-300 500 2-50
500
stone, shale, siltstone, and conglomerate; some interbedded basalt flows and dikes. Unconfined to partly confined in upper 200 ft, may be confined at depth.

Largest yields from wells near major rivers. Iron and manganese concentrations commonly exceed 0.3 and 0.05 mg/L, respectively. Dissolved-solids concentrations range from 31 to 1,270 mg/L. Salty ground water present locally in coastal areas. Aquifers susceptible to contamination.

Hydrologic characteristics poorly defined, particularly in zones deeper than 300 ft. Generally overlain by variable thicknesses of unconsolidated deposits. Moderately hard to hard water, and large concentrations of dissolved chloride sodium, and sulfate occur locally.